

March 6, 1851.

GEORGE RENNIE, Esq., V.P., in the Chair.

In accordance with the statutes, the following List of Candidates for admission into the Society was read by the Secretary :—

Charles Cardale Babington, M.A.	Richard Hartley Kennedy, Esq.
Thomas Snow Beck, M.D.	William Edmund Logan, Esq.
Daniel Blair, M.D.	Edward Joseph Lowe, Esq.
Alexander Bryson, M.D.	Charles Manby, Esq.
Charles James Fox Bunbury, Esq.	Joseph Maudslay, Esq.
Rev. Jonathan Cape, M.A.	James Paget, Esq.
Rev. John Cumming, D.D.	Hugh Lee Pattinson, Esq.
Hewitt Davis, Esq.	Apsley Pellatt, Esq.
George T. Doo, Esq.	Rev. Bartholomew Price, M.A.
Edward B. Eastwick, Esq.	Lovell Augustus Reeve, Esq.
Charles M. Elliot, Capt. Madras Engineers.	Julius Roberts, Lieut. R.M.A.
Robert Fitzroy, Capt. R.N.	George Gabriel Stokes, Esq.
Henry Gray, Esq.	William Thomson, Esq.
Wyndham Harding, Esq.	Augustus Waller, M.D.
John Hawkshaw, Esq.	Nathaniel Bagshaw Ward, Esq.
John Higginbottom, Esq.	Arthur Parry Eardley Wilmot, Com. R.N.
John Russell Hind, Esq.	Forbes Benignus Winslow, M.D.
Augustus Wm. Hofmann, Ph.D.	Charles Younghusband, Capt. R.A.
Thomas Henry Huxley, Esq.	
Edward Augustus Inglefield, Com. R.N.	

The following papers were read :—

1. "On the Explanation of the so-called 'Mysterious Circles.'" By the Rev. Robert H. Atherton. Communicated by the Earl of Rosse, P.R.S. &c. Received November 28, 1850.

The author refers to explanations which have been given of the phenomenon, of which he proposes to give a new one, and points out various courses which the propelled air may be supposed to take with reference to the cards. He then offers what he considers to be the true explanation of the phenomenon. He considers that no sooner has the air struck upon the loose card, than it is reflected, spreading partly, if not entirely, over its surface, and then ascends, carrying with it the interposing atmosphere, and excluding the surrounding air. This, he submits, is analogous to ordinary suction, and by this means the loose card is at once drawn up and fixed. He considers that the reflected air, thus rising and driven out by the descending current, will have additional power when the fixed card is considerably larger than the other.

2. "On the relation of the Direction of the Wind to the Age of the Moon, as inferred from observations at the Royal Observatory, PROCEEDINGS OF THE ROYAL SOCIETY. VOL. VI. No. 78. 3